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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Huang et al Art Unit : 2123
Serial No.: 09/635,116 Examiner: Frejd, R.
Filed : 08/09/2000
Title : METHOD FOR SIMULATING DRILLING OF ROLLER CONE BITS AND ITS APPLICATION TO ROLLER CONE BIT DESIGN AND PERFORMANCE

Assistant Commissioner for Patents
Washington, DC 20231

TERMINAL DISCLAIMER

The owner, Smith International, Inc., of a 100% interest in the instant application (assignment recorded at Reel 010904/Frame 0687), except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. §§154 – 156 and 173 as shortened by any terminal disclaimer, of prior Patent No. 6,516,293. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the second application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors and/or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. §§154 to 156 and 173 of any patent granted on the second application, as shortened by any terminal disclaimer filed prior to the patent grant, in the event that any such granted patent expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that

U.S. PATENT APPLICATION NO.09/635,116
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these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any parent issued thereon.

A fee of \$110.00 is believed necessary to cover this terminal disclaimer and was paid on October 22, 2002. Please apply any charges not covered or any credits to Deposit Account No. 50-0591 (reference 05516.056002).

The undersigned is an attorney of record.

Respectfully submitted,

Date: 2/19/03

Jeffrey S. Bergman
Jeffrey S. Bergman, Reg. No. 45,925
Rosenthal & Osha L.L.P.
One Houston Center, Suite 2800
1221 McKinney Avenue
Houston, TX 77010
Telephone: (713) 228-8600
Facsimile: (713) 228-8778

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